SEQUENCE LISTING

<110> Ptitsyn Leonid Romanovich
     Altman Irina Borisovna
     Smirnov Sergey Vasil'evich
     Rostova Yulia Georgievna
     Yampolskaya Tatyana Abramovna
     Leonova Tatyana Viktorovna
     Gusyatiner Mikhail Markovich

<120> New Mutant N-Acetylglutamate Synthase and Method for L-arginine production

<130> OP994

<140>
<141> 2001-06-

<150> RU 2000116481
<151> 2000-06-28

<150> RU 2001112869
<151> 2001-05-15

<160> 14

<170> PatentIn Ver. 2.0

<210> 1
<211> 5
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: partial amino
     acid sequence encoded by random sequence

<400> 1
Val Val Trp Arg Ala

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        1              5
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<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: partial amino
      acid sequence encoded by random sequence

<400> 2
Leu Phe Gly Leu His
 1              5


<210> 3
<211> 5
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<213> Artificial Sequence

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<223> Description of Artificial Sequence: partial amino
      acid sequence encoded by random sequence

<400> 3
Ser Ala Ala Ser Arg
 1              5


<210> 4
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<213> Artificial Sequence

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<223> Description of Artificial Sequence: partial amino
      acid sequence encoded by random sequence

<400> 4
Gly Trp Pro Cys Val
 1              5
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<210> 5
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<223> Description of Artificial Sequence: partial amino
     acid sequence encoded by random sequence

<400> 5
His Ser Val Pro Cys
 1   5

<210> 6
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<213> Escherichia coli

<400> 6
His Ser Val Pro Tyr
 1   5

<210> 7
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<223> Description of Artificial Sequence: random
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<400> 7
gtagtatggc gggca   15

<210> 8
<211> 15
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: random

sequence

<400> 8
ttgttcggat tgcac   15

<210> 9
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<212> DNA
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<220>
<223> Description of Artificial Sequence: random
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<400> 9
tcggcggcgt ccaga   15

<210> 10
<211> 15
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: random
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<400> 10
gggtggccat gcgtg   15

<210> 11
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<220>
<223> Description of Artificial Sequence: random
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<400> 11
cattcggttc cctgt   15

<210> 12
<211> 15
<212> DNA
<213> Escherichia coli

<400> 12
cattcggttc cctat   15

<210> 13
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<213> Artificial Sequence

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<223> Description of Artificial Sequence: primer
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<220>
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<222> (14)..(28)
<223> n=a or g or c or t

<400> 13
cgagggattc cgcnnnnnnn nnnnnnnnat caatacccac cggg   44

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<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: primer

<400> 14
tgccatggta aaggaacgta aaacc   25